

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001858

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 12/02**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L, G06F, H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975  
Korean Utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6, 243, 382 B1 (Fujitsu Limited.) 05 JUN 2001 see the whole document	1 - 3
A	US 2002/0009089 A1 ( Patrick Mcwilliams. ) 24 JAN 2002 see the whole document	1 - 3
P, A	US 2004/0071224 A1 ( Francois Balay ) 15 APR 2004 see the whole document	1 - 3



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

23 NOVEMBER 2004 (23.11.2004)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2004/001858

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6,243, 382 B1	05 JUN 2001	JP 10-303928 A2 GB 9708186 A GB 2324676 B2	13 NOV 1998 11 JUN 1997 17 OCT 2001
US 2002/0009089 A1	24 JAN 2002	US 2002/0031141 A1 US 2002/0031133 A1 US 2002/0031132 A1	14 MAR 2002 14 MAR 2002 14 MAR 2002